

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| S2    | 4    | (usage based bill\$3) AND (hash\$3 table (key OR index)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH             | ON      | 2005/11/21 17:32 |
| S3    | 37   | (usage based bill\$3) AND (hash\$3 table (key OR index)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME             | ON      | 2005/11/22 14:09 |
| S4    | 194  | BSS AND OSS  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME             | ON      | 2005/11/21 13:49 |
| S5    | 2    | S3 AND S4  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME             | ON      | 2005/11/21 13:50 |
| S6    | 122  | (usage based bill\$3) AND (hash\$3 WITH (key OR index))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME             | ON      | 2005/11/21 13:50 |
| S7    | 2    | S6 AND S4  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME             | ON      | 2005/11/21 13:51 |
| S8    | 37   | (usage based bill\$3) AND (BSS SAME OSS)                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME             | ON      | 2005/11/21 13:53 |
| S9    | 3    | S8 AND hash\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME             | ON      | 2005/11/21 13:52 |
| S10   | 162  | (usage based bill\$3) AND (BSS OR OSS)                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME             | ON      | 2005/11/21 13:53 |
| S12   | 4    | S10 AND (hash\$3 SAME (key OR table OR index))           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME             | ON      | 2005/11/21 13:55 |
| S13   | 8    | S10 AND hash\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME             | ON      | 2005/11/21 13:55 |

|     |          |  |   |      |    |                  |
|-----|----------|--|---|------|----|------------------|
| S14 | 1        | (usage based bill\$3) AND (hash\$3 table (key OR index)) AND (BSS OR OSS) AND (VOIP)         | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2005/11/21 14:02 |
| S15 | 37       | (usage based bill\$3) AND (hash\$3 table (key OR index))                                     | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2005/11/21 14:16 |
| S16 | 4        | (usage based bill\$3) AND (hash\$3 table (key OR index))                                     | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2005/11/21 14:02 |
| S17 | 20125707 | @ad<"20010101"   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2005/11/21 14:35 |
| S19 | 14       | S15 and S17  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2005/11/21 14:16 |
| S20 | 1764     | (usage based bill\$3) AND (hash\$3 table (key OR index))                                     | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND  | ON | 2005/11/21 14:17 |
| S21 | 532      | S20 and S17  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2005/11/21 14:16 |
| S22 | 27       | (usage based bill\$3) and S21  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2005/11/21 19:29 |
| S25 | 1934     | (collect\$3 OR gather\$3) (creat\$3 OR generat\$3) (usage bill\$3) (hash\$3)                 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND  | ON | 2005/11/21 14:34 |
| S26 | 162      | (collect\$3 OR gather\$3) (creat\$3 OR generat\$3) (usage WITH bill\$3) (hash\$3 WITH table) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | AND  | ON | 2005/11/21 19:35 |
| S27 | 88       | S26 AND @ad<"20010101"   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | SAME | ON | 2005/11/21 14:57 |

|     |       |  |   |      |    |                  |
|-----|-------|--|---|------|----|------------------|
| S28 | 42302 | bill\$3.ab.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2005/11/21 14:36 |
| S29 | 15    | S27 AND S28  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2005/11/21 14:52 |
| S30 | 1180  | (hash\$3 NEAR2 table)WITH key  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2005/11/21 14:52 |
| S31 | 187   | (collect\$3 OR gather\$3) (creat\$3<br>OR generat\$3) (usage WITH bill\$3)               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON | 2005/11/21 14:54 |
| S32 | 1     | S30 AND S31  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/11/21 14:54 |
| S34 | 379   | (collect\$3 OR gather\$3) (creat\$3<br>OR generat\$3) (usage WITH bill\$3)               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2005/11/21 14:54 |
| S35 | 1     | S30 AND S34  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/11/21 14:55 |
| S36 | 311   | (collect\$3 OR gather\$3) SAME<br>((creat\$3 OR generat\$3) WITH<br>(usage AND bill\$3)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/11/21 16:48 |
| S37 | 1     | S30 AND S36  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON | 2005/11/21 14:56 |
| S38 | 214   | network usage based billing  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON | 2005/11/21 14:57 |
| S40 | 26    | S38 AND hash\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON | 2005/11/21 14:57 |

|     |       |   |   |      |     |                  |
|-----|-------|---|---|------|-----|------------------|
| S41 | 3     | S40 AND @ad<"20010101"                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | SAME | ON  | 2005/11/21 15:10 |
| S42 | 2     | ("6,438,652").PN.                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/11/21 15:09 |
| S43 | 8436  | hash\$3 WITH key  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR   | ON  | 2005/11/21 15:10 |
| S44 | 6     | (hash\$3 WITH key) AND (network<br>usage based billing) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | WITH | ON  | 2005/11/21 15:12 |
| S46 | 76    | (hash\$3 WITH key) AND (usage<br>based billing)         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | WITH | ON  | 2005/11/21 15:13 |
| S47 | 13    | S46 AND @ad<"20010101"                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | SAME | ON  | 2005/11/21 15:40 |
| S55 | 11    | normaliz\$3 table hash\$3 key                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | SAME | ON  | 2005/11/21 15:37 |
| S56 | 1547  | hash\$3 table key                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | WITH | ON  | 2005/11/21 15:39 |
| S58 | 122   | usage based bill\$3 record\$                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | WITH | ON  | 2005/11/21 16:55 |
| S60 | 14232 | hash\$3 (table OR key)                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | WITH | ON  | 2005/11/21 15:39 |
| S62 | 27    | S58 AND S60   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | WITH | ON  | 2005/11/21 15:39 |

|     |      |  |   |      |     |                  |
|-----|------|--|---|------|-----|------------------|
| S63 | 13   | S62 AND @ad<"20010101"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | SAME | ON  | 2005/11/21 16:49 |
| S64 | 112  | ((collect\$3 OR gather\$3) SAME<br>((creat\$3 OR generat\$3) WITH<br>(usage AND bill\$3 AND record))             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR   | ON  | 2005/11/21 17:40 |
| S65 | 45   | S64 AND @ad<"20010101"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | SAME | ON  | 2005/11/21 19:36 |
| S66 | 13   | S65 AND hash\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | SAME | ON  | 2005/11/21 16:49 |
| S67 | 322  | hash\$3 key module   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | WITH | ON  | 2005/11/21 18:07 |
| S68 | 9    | hash\$3 key module record  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | WITH | ON  | 2005/11/21 16:57 |
| S70 | 8207 | ((705/52,53) or (709/223,224)).<br>CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/11/21 17:39 |
| S71 | 38   | ((collect\$3 OR gather\$3) SAME<br>((creat\$3 OR generat\$3) WITH<br>(usage AND bill\$3 AND record)))<br>AND S70 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR   | ON  | 2005/11/21 17:40 |
| S72 | 13   | S71 AND @ad<"20010101"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | SAME | ON  | 2005/11/21 17:43 |
| S73 | 6    | S72 AND hash\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | SAME | ON  | 2005/11/21 17:44 |
| S74 | 8    | S67 AND S70  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | WITH | ON  | 2005/11/21 18:07 |

|     |     |  |   |      |     |                  |
|-----|-----|--|---|------|-----|------------------|
| S75 | 2   | ("5197002").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2005/11/21 19:24 |
| S76 | 17  | ("4370711"   "4730348"  <br>"5032987").PN. OR ("5197002").<br>URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR   | ON  | 2005/11/21 19:25 |
| S80 | 162 | (collect\$3 OR gather\$3) (creat\$3<br>OR generat\$3) (usage WITH bill\$3)<br>(hash\$3 WITH table)                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | AND  | ON  | 2005/11/21 19:39 |
| S81 | 37  | (collect\$3 OR gather\$3) SAME<br>(creat\$3 OR generat\$3)SAME<br>(usage WITH bill\$3) AND (hash\$3<br>WITH table) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | AND  | ON  | 2005/11/21 19:36 |
| S82 | 15  | S81 AND @ad<"20010101"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | SAME | ON  | 2005/11/21 19:39 |
| S83 | 42  | (collect\$3 OR gather\$3) (usage<br>WITH based WITH bill\$3) (hash\$3<br>WITH table)                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | AND  | ON  | 2005/11/22 14:19 |
| S84 | 17  | S83 AND @ad<"20010101"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | SAME | ON  | 2005/11/21 19:56 |
| S85 | 42  | (usage WITH based WITH bill\$3)<br>AND (hash\$3 NEAR2 table)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR   | ON  | 2005/11/22 14:10 |
| S87 | 17  | S85 AND @ad<"20010101"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | SAME | ON  | 2005/11/22 14:19 |
| S94 | 300 | (usage WITH based WITH bill\$3).<br>bsum.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | AND  | ON  | 2005/11/22 14:24 |
| S95 | 111 | S94 AND @ad<"20010101"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | SAME | ON  | 2005/11/22 14:24 |
| S96 | 5   | S95 AND hash\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | SAME | ON  | 2005/11/22 15:58 |

|          |     |   |   |      |    |                  |
|----------|-----|---|---|------|----|------------------|
| S98      | 300 | (usage WITH based WITH bill\$3).<br>bsum.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND  | ON | 2005/11/22 15:58 |
| S99      | 111 | S98 AND @ad<"20010101"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2005/11/22 15:58 |
| S10<br>0 | 2   | S99 AND hash\$3 AND aggregated  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2005/11/22 15:58 |
| S10<br>1 | 3   | S99 AND hash\$3 AND aggregat\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2005/11/22 15:59 |
| S10<br>3 | 2   | S99 AND hash\$3 AND aggregat\$3<br>AND (collect\$3 OR gather\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2005/11/22 15:59 |
| S10<br>4 | 1   | S99 AND hash\$3 AND aggregat\$3<br>AND (collect\$3 OR gather\$3) AND<br>(bill\$3 AND record)                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2005/11/22 16:00 |
| S10<br>5 | 2   | S99 AND hash\$3 AND aggregat\$3<br>AND (collect\$3 OR gather\$3) AND<br>bill\$3                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2005/11/22 16:00 |
| S10<br>6 | 2   | S99 AND hash\$3 AND aggregat\$3<br>AND (collect\$3 OR gather\$3) AND<br>bill\$3 AND (usage NEAR2 (data OR<br>record)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | SAME | ON | 2005/11/22 16:00 |